

1

Page 1 of 1

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO37605	2		M6061T6B1.000X8.0 f 00	DAS 5 9-89	9/6/2017	9/6/2017	8.0000	\$26.63	0.0000	0	\$213.03
CAD	No		6061T6 BAR 1.000 f X 8.000 m138429		8.0000	PLOU01		\$213.03	0.0000	0	
	3		M6061T6B1.250X12. f 000 12.00	DAS 5 9-89	9/6/2017	9/6/2017	8.0000	\$40.47	0.0000	0	\$323.72
	No		6061T6 BAR 1.250 f X 12.000 m138429		8.0000	PLOU01		\$323.72	0.0000	0	
	4		M6061T6B1.000X12. f 000	DAS 5 9-89	9/6/2017	9/6/2017	8.0000	\$32.83	0.0000	0	\$262.60
	No		6061-T6 Bar 1.00 x f 12.00 m138429		8.0000	PLOU01		\$262.60	0.0000	0	
	5		71401-45		9/6/2017	9/6/2017	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT QUALITY CLAUSES m138429		1.0000	PLOU01		\$0.00	0.0000	0	
Total Received Quantity:											25.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$799.36
Total Balance Due Quantity:											0.0000

BILL OF LADING

No: PEC 62182

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 05Sep17 at 16:57 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

BILL OF LADING

1) Our Order PEC- 87857- 1 Your PO # 37605
ALUMINUM FLAT BAR 6061-T6511
1.00" x 8.00" X 96.0000"

Heat Number **DAS** Tag No
201707202 **5** 686847

Quantity PCS Wt LBS
8 FT 1 77

2) Our Order PEC- 87857- 2 Your PO # 37605
ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.250" X 12.00" X 96.0000"

Heat Number **DAS** Tag No
201615740 **5** 686849

Quantity PCS Wt LBS
8 FT 1 143

3) Our Order PEC- 87857- 3 Your PO # 37605
ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.00" X 12.00" X 96.0000"

Heat Number **DAS** Tag No
201709254 **5** 686854

Quantity PCS Wt LBS
8 FT 1 116

TOTAL: Tags 3 PCS 3 LBS 336

Heat Number *** Chemical Analysis ***
201615740
201707202
201709254

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 62182

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 05Sep17 at 16:57 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL OF 1 BDL GR.W. 356 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
INVENTORY, SEPT. 14 & 15/2017. THERE WILL BE NO
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
OFFICE WILL REMAIN OPEN.

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***
***POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Sept-9-16.

Page: 2 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTIC • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE



Service Center Metals
 5850 Quality Way
 Prince George, VA 23875

BILL TO

ThyssenKrupp Materials NA-Concord, ON

SHIP TO

ThyssenKrupp Materials NA-Concord, ON

Quantity Certified 2.622 lbs 23 pcs

MANIFEST NUMBER

336409

CUSTOMER PO

PEC-283678

CUSTOMER PART NUMBER

MRB1827

DIE NUMBER

MRB1827

ALLOY/TEMPER

6061-T6511

DESCRIPTION

MQRB 1.000x8.000

DATE OF SHIPMENT

6/22/2017

SALESPERSON

D. Schroeder (Canada)

CERTIFICATION

ASTM-B221-14 StencilCont

SPECIFICATION

AMS-QQA-200/8 Rev-A

OUR ORDER NUMBER	ITEM
921686	10

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

2

201707202

DAS
 5
 9-89

Test Date

5/6/17

Ultimate Tensile Strength (KSI)

min 49.60
 max 50.60

Yield Strength (KSI)

min 46.40
 max 46.80

Percent Elongation

min 17.10
 max 18.10

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Others	Melt Source:
001E170420Y	201707202	6061	0.71	0.36	0.30	0.09	0.86	0.09	0.05	0.02	97.51	0.05	0.15		United States of America
001J170420Y	201707202	6061	0.71	0.36	0.30	0.09	0.86	0.09	0.05	0.02	97.51	0.05	0.15		United States of America
001J170421Y	201707202	6061	0.75	0.36	0.31	0.09	0.83	0.10	0.06	0.03	97.47	0.05	0.15		United States of America
001M170428Y	201707202	6061	0.75	0.37	0.32	0.09	0.91	0.10	0.06	0.03	97.38	0.05	0.15		United States of America

SCM is ISO 9001-2015 certified

SCM products are melted and extruded in the USA

Print Date: 6/22/2017

Calvin J. Wiggins, Director of Quality & Technical Services

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLT BAR CONOPLT 6061-T6511
1.250" X 12.00" X 96.0000"
PART NO.

PO/Rel 37605

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-062182-002

Signed by: _____
1 Sep 17
Pg 1/1



Service Center Metals

5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



BILL TO ThyssenKrupp Materials NA-Concord, ON SHP TO	MANIFEST NUMBER 307938	DIE NUMBER PL0743	DATE OF SHIPMENT 9/15/2016	OUR ORDER NUMBER 273205	ITEM 2
ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO PEC-277814	ALLOY/TEMPER 6061-T6511	SALESPERSON D. Schroeder (Canada)	CERTIFICATION ASTM-B221-14 StencilCont	
Quantity Certified 5.713 lbs 27 pcs	CUSTOMER PART NUMBER PL0743	DESCRIPTION PL 1.250 x 12.000		SPECIFICATION AMS-QQA-200/8 Rev-A	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

1 201613163

DAS
5
9-89

1 201615740

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
8/7/16	min 49.80 max 49.80	min 46.30 max 46.30	min 18.30 max 18.30
9/14/16	min 50.50 max 50.50	min 47.10 max 47.10	min 16.60 max 16.60

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ti	AL	Each	Total	Others	Melt Source:
08251603	201615740	6061	0.71	0.37	0.31	0.10	0.87	0.09	0.02	97.45	0.05	0.15		United States of America
09031602	201615740	6061	0.75	0.35	0.31	0.12	0.88	0.10	0.10	97.36	0.05	0.15		United States of America
09031603	201615740	6061	0.74	0.35	0.32	0.09	0.89	0.09	0.02	97.43	0.05	0.15		United States of America
1K160725Y	201613163	6061	0.74	0.38	0.31	0.10	0.87	0.10	0.04	97.45	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Print Date: 9/15/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.00" X 12.00" X 96.0000"
PART NO.

PO/Rel 37605

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-062182-003

1Sep17
Pg 1/1

Signed by:



Service Center Metals

5850 Quality Way
Prince George, VA 23875

Can Do.

BILL TO

ThyssenKrupp Materials NA-Concord, ON
SHIP TO

ThyssenKrupp Materials NA-Concord, ON

Quantity Certified 1,016 lbs 6 pcs

MANIFEST NUMBER

336021

CUSTOMER PO

PEC-283818

CUSTOMER PART NUMBER

PL0741

DIE NUMBER

PL0741

ALLOY/TEMPER

6061-T6511

DESCRIPTION

PL 1.000 x 12.000

DATE OF SHIPMENT

6/19/2017

SALESPERSON

D. Schroeder (Canada)

OUR ORDER NUMBER	ITEM
922399	3

CERTIFICATION

ASTM-B221-14 StencilCont

SPECIFICATION

AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.
This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

1 201709254
DS
999

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
6/17/17	min 52.80 max 52.80	min 48.70 max 48.70	min 18.80 max 18.80

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others Each	Total	Melt Source:
001J170611B	201709254	6061	0.75	0.36	0.34	0.10	0.89	0.10	0.03	0.02	97.42	0.05	0.15	United States of America
001K170614A	201709254	6061	0.75	0.40	0.32	0.10	0.87	0.10	0.04	0.03	97.38	0.05	0.15	United States of America

SCM is ISO 9001-2015 certified

SCM products are melted and extruded in the USA

Calvin J. Winnings

Calvin J. Winnings Director of Quality & Technical Services

Print Date: 6/19/2017

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 B1 990 X 8.000
 DATE: SEP 06 2017

PO / BATCH NO.: P037605/M138429

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 8'
 QUANTITY INSPECTED: 8'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1"
 THICKNESS RECEIVED: 1"
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	AMS QQ-A-200
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	H# 201707202
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>5</u>	SIGNED OFF BY: _____		
DATE: <u>SEP 06 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS-4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

DAS
5
9-89

RELEASED
R 2009-09-03
MAD

B	REMOVE QQ-A-250/11 OPTION. REFORMAT NOTES. ADD ASTM B211B221 (Zn D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	GP		
CHECKED	ADS		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO. M6061T6B		SHEET 1 OF 1	
TITLE 6061-T6 BAR		SCALE NTS	
COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DRAWING IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60116BL250X12,000

PO / BATCH NO.: 0037605/M138429

DATE: SEP 06 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.250"

QUANTITY RECEIVED: 8'

THICKNESS RECEIVED: 1.250"

QUANTITY INSPECTED: 8'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	AmS QQ 4200
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HT # 201615740
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>5</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>SEP 06 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW | **DAS**

THICK | WIDTH | **5**

WHERE "T.TTT" = THICKNESS IN INCHES **9-89**
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
R 2009-09-03
MD

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	<i>MD</i>		
CHECKED	<i>MD</i>		
MFG. APPR.	<i>MD</i>		
APPROVED	<i>MD</i>		
DE APPR.	<i>MD</i>		
DATE	09.07.13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	REV. B
M6061T6B	SHEET 1 OF 1
TITLE	SCALE
6061-T6 BAR	NTS
DATE 09.07.13	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B1.000X12.000
 DATE: SEP 06 2017

PO / BATCH NO.: 103765/M138409

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 8'
 QUANTITY INSPECTED: 8'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1"
 THICKNESS RECEIVED: 1"
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	AMS QA A200
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT# 201709254
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>		SIGNED OFF BY: _____	
DATE: <u>SEP 06 2017</u>	<u>5</u> 9-89	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW | **DAS**
THICK | WIDTH | **5**

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-09-03

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6B		REV. B	
TITLE 6061-T6 BAR		SHEET 1 OF 1	
SCALE		NTS	
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37605**

Purchase Order Date 8/30/2017

PO Print Date 8/30/2017

Page Number 1 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
AUG 30 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	M6061T6B1.000X16.000	6061-T6 Bar 1.00 x 16.00	9/6/2017 Yes 9/6/2017		8.00 f	\$79.09	\$632.68
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$632.68

2	M6061T6B1.000X8.000	6061T6 BAR 1.000 X 8.000	9/6/2017 Yes 9/6/2017	FN	8.00 f	\$33.38	\$267.06
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$267.06

PO Instructions: quote: pec st-87351 / st-86383

Note:

8/30/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37605**

Purchase Order Date 8/30/2017

PO Print Date 8/30/2017

Page Number 2 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M6061T6B1.250X12.000	6061T6 BAR 1.250 X 12.000	9/6/2017	FN	8.00	\$50.73	\$405.82
			Yes		f		
			9/6/2017				

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$405.82

4	M6061T6B1.000X12.000	6061-T6 Bar 1.00 x 12.00	9/6/2017		8.00	\$41.15	\$329.20
			Yes		f		
			9/6/2017				

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$329.20

PO Instructions: quote: pec st-87351 / st-86383

Note:

8/30/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37605**

Purchase Order Date 8/30/2017

PO Print Date 8/30/2017

Page Number 3 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

5	71401-45	PROCUREMENT QUALITY CLAUSES	9/6/2017	1.00	\$0.00	\$0.00
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Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

No
9/6/2017

8079-6

Line Total: \$0.00

PO Total: \$1,634.76

PO Instructions: quote: pec st-87351 / st-86383

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 8/30/2017

Q U O T A T I O N

No: PEC ST-87351

Quoted By:

THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 29Aug17 Qte Ref
Frnt PREPAID Via FOB
Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
Slp STAN IVERS (905-532-1350)

Q U O T A T I O N

QT No: PEC ST-87351

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM FLT BAR ECONOPLT 6061-T6511	1 PCS	155 LBS
1.00" X 16.00" X 96.0000"		8 FT
<<<----- SPECIFICATIONS ----->>>		
Ga Tol + 0.0000 - 0.0000 Pc/Tag 1		
WthTol + 0.0000 - 0.0000 Wt/Skd		
LthTol + 0.1250 - 0.0000 Ty Pk		
MATERIAL	8 FT @	79.0850 FT
ENERGY & CAP SURCHG	25.0000 LOT	632.68
		25.00

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

**** TEL. 800-926-2600 ****

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL!!!! * *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT * *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com

NO CANCELLATIONS ON PROCESSED MATERIAL.

Q U O T A T I O N

No: PEC ST-87351

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)
 DART AEROSPACE

Quoted Ship To: (1)
 DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-87351

Order Totals:				1 Items	155 LBS
Material	Processing	Freight	Other	Taxes	ORDER AMT
632.68			25.00	85.50	743.18

Taxes: ONHSTS	85.50	0.00		0.00	0.00

John Langais

Q U O T A T I O N

No: PEC ST-86383

Quoted By:

THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)

DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)

DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 25Aug17 Qte Ref
Frt PREPAID Via FOB
Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
Slp STAN IVERS (905-532-1350)

Q U O T A T I O N

QT No: PEC ST-86383

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM FLAT BAR 6061-T6511 1 PCS 77 LBS
1.00" x 8.00" X 96.0000" 8 FT

<<<----- SPECIFICATIONS ----->>>

Ga Tol + 0.0000 - 0.0000 Pc/Tag 1
WthTol + 0.0000 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 Ty Pk
MATERIAL 8 FT @ 33.3825 FT 267.06
ENERGY & CAP SURCHG 25.0000 LOT 25.00

2 ALUMINUM FLT BAR ECONOPLT 6061-T6511 1 PCS 143 LBS
1.250" X 12.00" X 96.0000"

<<<----- SPECIFICATIONS ----->>>

Ga Tol + 0.0000 - 0.0000 Pc/Tag 1
WthTol + 0.0000 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 Ty Pk
MATERIAL 1 PCS @ 405.8200 EA 405.82

3 ALUMINUM FLT BAR ECONOPLT 6061-T6511 1 PCS 116 LBS
1.00" X 12.00" X 96.0000"

<<<----- SPECIFICATIONS ----->>>

Ga Tol + 0.0000 - 0.0000 Pc/Tag 1
WthTol + 0.0000 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 Ty Pk
MATERIAL 1 PCS @ 329.2000 EA 329.20

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

Q U O T A T I O N

No: PEC ST-86383

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)
 DART AEROSPACE

Quoted Ship To: (1)
 DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-86383

All weights are theoretical.
 All orders are subject to credit approval.
 **** TEL. 800-926-2600 ****
 *** CUSTOMER PICK-UP HOURS ***
 *** 9:00 AM TO 4:00 PM ***

 * WE STOCK STAINLESS STEEL!!!! *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

 *FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
 *VISIT OUR WEBSITE: www.copperandbrass.com

 NO CANCELLATIONS ON PROCESSED MATERIAL.

Order Totals:				3 Items	336 LBS
Material	Processing	Freight	Other	Taxes	ORDER AMT
1,002.08			25.00	133.53	1,160.61

Taxes: ONHSTS	133.53	0.00	0.00	0.00	

Chantal Lavoie

From: Jean Francois Sauve
Sent: Thursday, August 24, 2017 12:16 PM
To: Chantal Lavoie
Cc: David Duval
Subject: New mat'l require for 145 basket

Allo Chantal,

Nous avons besoin de nouvelle grandeur de mat'l pour le projet du 145 basket.

Voici la nouvelle grandeur et la quantité à commander.

- M6061T6B1.000X8.000 / Qty : Min. de 8 pieds. (for D5549-3)
- M6061T6B1.250X12.000 / Qty : Min. de 8 pieds. (for D5550-1/-3)

Voici la quantité a commander pour le mat'l déjà dans le système.

- M6061T6B1.000X12.000 / Qty : Min. de 8 pieds. (for D5549-1)

de projet : RD17-1044-01

Merci!

JEAN-FRANÇOIS SAUVÉ
Production Engineering Coordinator

DART AEROSPACE
T 1 613 632-5200 > 237
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com

